

SEQUENCE LISTING

<110> TMRC Co., Ltd.

<120> Novel Indole Derivative For Alkylating Specific Base Sequence Of DNA And Alkylating Agent And Drug Containing The Derivative

<130> Q96589

<140> 10598789

<141> 2009-01-15

<150> JP 2004-114793

<151> 2004-03-13

<150> PCT/JP05/04250

<151> 2005-03-10

<160> 19

<170> PatentIn

<210> 1

<211> 450

<212> DNA

<213> Artificial

<220>

<223> Synthetic construct

<400> 1

```
agaatcaggg gataacgcag gaaagaacat gtgagcaaaa ggccagcaaa aggccaggaa 60
ccgtaaaaaag gccgcgttgc tggcgttttt ccataggctc cgccccctg acgagcatca 120
caaaaatcga cgctcaagtc agagggtggcg aaacccgaca ggactataaa gataccaggc 180
gtttcccccct ggaagctccc tcgtgcgctc tcctgttccg accctgccgc ttaccggata 240
cctgtccgcc tttctccctt cgggaagcgt ggcgctttct caatgctcac gctgtaggta 300
tctcagttcg gtgtaggctc ttcgctccaa gctgggctgt gtgcacgaac cccccgttca 360
gcccgaccgc tgcgccttat ccggtaaacta tcgtcttgag tccaacccgg taagacacga 420
cttatcgcca ctggcagcag ccactggtaa 450
```

<210> 2

<211> 20

<212> DNA

<213> Artificial

<220>

<223> Synthetic construct

<400> 2

```
agaatcaggg gataacgcag 20
```

<210> 3

<211> 20
<212> DNA
<213> Artificial

<220>
<223> Synthetic construct

<400> 3

ttaccagtgg ctgctgccag 20

<210> 4
<211> 450
<212> DNA
<213> Artificial

<220>
<223> Synthetic construct

<400> 4

tgctggcctt ttgtcacat gttctttcct gcgttatccc ctgattctgt ggataaccgt 60
attaccgcct ttgagtgage tgataccgct cgccgcagcc gaacgaccga gcgcagcgag 120
tcagtgcgcg aggaagcgga agagcgccca atacgcaaac cgcctctccc cgcgcggttg 180
ccgattcatt aatgcagctg gcacgacagg tttcccgact ggaaagcggg cagtgcgcgc 240
aacgcaatta atgtgagtta gtcactcat taggcacccc aggctttaca ctttatgctt 300
ccggctcgta tggtgtgtgg aattgtgagc ggataacaat ttcacacagg aaacagctat 360
gaccatgatt acgaattcga gtcggtacc cggggatcct ctagagtcga cctgcaggca 420
tgcaagcttg gcaactggcgg tcgttttaca 450

<210> 5
<211> 21
<212> DNA
<213> Artificial

<220>
<223> Synthetic construct

<400> 5

tgctggcctt ttgtcacat g 21

<210> 6
<211> 19
<212> DNA
<213> Artificial

<220>
<223> Synthetic construct

<400> 6

tgtaaaacga cggccagtg 19

<210> 7
<211> 450
<212> DNA
<213> Artificial

<220>
<223> Synthetic construct

<400>

```
tgtaaaacga cggccagtgc caagcttgca tgccctgcagg tcgactctag aggatccccg 60
ggtagccgagc tcgaattcgt aatcatgggc atagctgttt cctgtgtgaa attgttatcc 120
gtcacacaatt ccacacaaca tacgagccgg aagcataaag tgtaaagcct ggggtgccta 180
atgagtgagc taactcacat taattgcgtt gcgctcactg cccgctttcc agtcgggaaa 240
cctgtcgtgc cagctgcatt aatgaatcgg ccaacgcgcg gggagaggcg gtttgcgtat 300
tgggcgctct tccgcttcc cgtcactga ctgcgtgcgc tcggtcgttc ggctgcggcg 360
agcggtatca gctcactcaa aggcggtaat acggttatcc acagaatcag gggataacgc 420
aggaaagaac atgtgagcaa aaggccagca 450
```

<210> 8
<211> 537
<212> DNA
<213> Artificial

<220>
<223> Synthetic construct

<400> 8

```
atcagggcaa ctcaaccctg tccgatttca acaaaacgct ggtcctttcc ggcaatcagg 60
cgggactgac ggcagatcgt atgtgggtcc tgtccagagc cgggcaggcg gcagggtga 120
cgtttaacca gaccagcgag tactcagcg cactgggtta ggcgggggta agcggtgagg 180
ctcagattgc gtccatcagc cagagtgtgg cgcgtttctc ctctgcatcc ggcgtggagg 240
tggaacaagg cgtgaagcc ttcgggaagc tgaccacaga cccgacgtcg gggctgacgg 300
cgatggctcg ccagttccat aacgtgtcgg cggagcagat tgcgtatgtt gtcagttgc 360
agcgttccgg cgatgaagcc ggggcattgc agggggcgaa cgaggccgca acgaaaggg 420
ttgatgacca gaccgcgcgc ctgaaagaga acatgggcac gctggagacc tgggcagaca 480
ggactgcgcg ggcattcaaa tccatgtggg atgcgggtgct ggatattggt cgtcctg 537
```

<210> 9
<211> 23
<212> DNA
<213> Artificial

<220>
<223> Synthetic construct

<400> 9

atcagggcaa ctcaaccctg tcc

23

<210> 10
<211> 20

<212> DNA
<213> Artificial

<220>
<223> Synthetic construct

<400> 10

caggacgacc aatatccagc 20

<210> 11
<211> 994
<212> DNA
<213> Artificial

<220>
<223> Synthetic construct

<400> 11

```
ccccaaagggg ttatgctagt tattgctcag cgggtggcagc agccaactca gcttcctttc 60
gggcttttgtt agcagccgga tcctcagttg tacagttcat ccatgccatg tgtaatccca 120
gcagctgtta caaactcaag aaggaccatg tgggtctctct tttcgttggg atctttcgaa 180
agggcagatt gtgtggacag gtaatggttg tctggtaaaa ggacagggcc atcgccaatt 240
ggagtatttt gttgataatg gtctgctagt tgaacgcttc catcttcaat gttgtggcgg 300
gtcttgaagt tcactttgat tccattcttt tgtttgtctg ccatgatgta tacatttgtt 360
gagttatagt tgtattccaa tttgtgtccc agaatgttgc catcttcctt gaagtcaata 420
ccttttaact cgattctatt aacaagggta tcaccttcaa acttgacttc agcacgtgtc 480
ttgtagtgtc cgtcatcttt gaagaagatg gtcccttcct gtacataacc ttcgggcatg 540
gcaactctga aaaagtcatg ccgtttcata tgatccgggt atcttgaaa gcattgaaca 600
ccatagcaca gagtagtgac tagtgttggc catggaacag gcagtttgcc agtagtgacg 660
atgaacttca gggtaagttt tccgtatgtt gcatcacctt caccctctcc actgacagag 720
aacttggtgc cgtaacatc accatctaatt tcaacaagaa ttgggacaac tccagtgaag 780
agttcttctc ctttgctagc catatgtata tctccttctt aaagttaaac aaaattattt 840
ctagagggga attgttatcc gtcacaatt cccctatagt gagtcgtatt aatttcgcgg 900
gatcgagatc tcgatcctct acgccggacg catcgtggcc ggcatcaccg gcgccacagg 960
tgcggttgct ggcgcctata tcgccgacat cacc 994
```

<210> 12
<211> 20
<212> DNA
<213> Artificial

<220>
<223> Synthetic construct

<400> 12

ggtgatgtcg gcgatatagg 20

<210> 13
<211> 20
<212> DNA
<213> Artificial

<220>

<223> Synthetic construct

<400> 13

ccccaagggg ttatgctagt

20

<210> 14

<211> 727

<212> DNA

<213> Artificial

<220>

<223> Synthetic construct

<400> 14

cccattctaa actgtaccct gttacttata cccttcctat gacatgaact taatcataga 60
aaagaagggg aaagaaaaca tcaagcgtcc catagactca ccctgaagtt ctcaggatcc 120
acgtgcagct tgtcacagtg cagctcactc agtgtggcaa aggtgccctt gaggttggtcc 180
aggtgagtta ggccatcact aaaggcaccg agcactttct tgccatgagc cttcacctta 240
gggttgccca taacagcatc aggagtggac agatcccaa aggactcaaa gaacctctgg 300
gtccaagggg agaccaccag cagcctaagg gtgggaaaat agaccaatag gcagagagag 360
tcagtgccta tcagaaaccc aagagtcttc tctgtctcca catgcccagt ttctattggg 420
ctccttaaac ctgtcttgta accttgatac caacctgcc agggcctcac caccaacttc 480
atccacgttc accttgcccc acagggcagt aacggcagac ttctcctcag gagtccagatg 540
caccatgggt tctgtttgag gttgctagtg aacacagttg tgtcagaagc aaatgtaagc 600
aagcttcgca gacagcgatg cggaagagag tgaggacgaa cgcgccccca ccccttttta 660
tagccccct tcaccaaac ccggtcacgt ggcctacacc tataaaccaa tcaccttcct 720
tgatgcc 727

<210> 15

<211> 20

<212> DNA

<213> Artificial

<220>

<223> Synthetic construct

<400> 15

cccattctaa actgtaccct

20

<210> 16

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic construct

<400> 16

ggcatcaagg aaggtagattg g

21

<210> 17

<211> 446

<212> DNA

<213> Artificial

<220>

<223> Synthetic construct

<400> 17

```
ggccagtgaa ttgtaatacg actcactata gggcgaattg ggccctctag atgcatgctc 60
gagcggccgc cagtgtgatg gatatctgca gaattcggct tagtcacgac gttgtaggcc 120
taaccctaac cctaacccta accctaacc taaccctaac cctaacccta accctaacc 180
taaccctaac cctaacccta accctaacc taaccctaac cctaacccta accctaacc 240
taaccctaac cctaacccta accctaacc gggtcatagc tgtttcctga agccgaattc 300
cagcacactg gggcccgta ctagtggatc cgagctcggc accaagcttg gcgtaatcat 360
ggtcatagct gtttcctgtg tgaaattggt atccgctcag aattccacac aacatacgag 420
ccggaagcat aaagtgtaaa gcctgg 446
```

<210> 18

<211> 20

<212> DNA

<213> Artificial

<220>

<223> Synthetic construct

<400> 18

ggccagtgaa ttgtaatacg

20

<210> 19

<211> 20

<212> DNA

<213> Artificial

<220>

<223> Synthetic construct

<400> 19

ccaggcttta cactttatgc

20